

**Water Storage/Transport/Diversion Management**
**CALFED Bay-Delta Program Alternatives**
**Summary of Actions**

	Alternative	Alternative	Alternative	Alternative	Alternative	Alternative	Alternative	Alternative	Alternative	Alternative
	A	B	C	D	E	F	G	H	I	J
<b>Water Storage<sup>1</sup></b>										
Convert one or more Delta islands to new environmentally dedicated storage with screened diversion (acre-feet capacity)	100,000	--	--	--	--	300,000 to 400,000	100,000	--	--	--
Construct new upstream storage (acre-feet capacity)	--	500,000 to 1,000,000	500,000 to 1,000,000	1,000,000 to 1,500,000	--	--	--	--	--	--
Construct new/expand existing downstream storage (acre-feet capacity)	--	500,000 to 1,000,000	500,000 to 1,000,000	500,000 to 1,000,000	--	--	--	--	--	--
Construct new in-delta storage (acre-feet capacity)	--	--	--	--	--	--	--	300,000 to 600,000	--	--
Construct offstream storage on the westside of the Sacramento Valley (acre-feet capacity)	--	--	--	--	--	--	--	--	6,000,000 to 8,000,000	--
<b>Water Transport<sup>1</sup></b>										
Construct a new screened diversion facility with multiple intakes on the Sacramento River upstream of the Delta for a portion of exports (cubic feet per second (cfs) capacity)	--	--	15,000 to 20,000	15,000 to 20,000	--	--	--	--	--	15,000 to 20,000
Construct a new eastside conveyance facility to transport water around the Delta from the new diversion point to existing pumping plants in the south Delta (cfs capacity)	--	--	5,000 to 7,000	--	--	--	--	--	--	15,000 to 20,000
Increase existing eastside channel flow capacity to facilitate through-Delta water transport (in conjunction with Flood Protection and Levee Stabilization actions, (miles of channels)	--	--	eligible channels	--	50 to 100	--	--	--	--	--
Construct a new unscreened diversion on the Sacramento River upstream of the Delta	--	--	--	--	15,000 to 20,000	--	--	--	--	--
Construct, in stages, combined capacity diversion facilities on the Sacramento River (upstream of the Feather River confluence) and on the Feather River (upstream of the Sacramento River confluence) (cfs capacity)	--	--	--	--	--	--	7,000	--	--	--
Construct East Valley conveyance facility in stages along the foothills from new diversions to the Merced River with an Intertie constructed to the Delta-Mendota canal and California aqueduct (cfs capacity)	--	--	--	--	--	--	5,000 to 7,000	--	--	--
Construct interconnections with eastside water users and between East Valley conveyance facility and eastside projects (e.g. Mokelumne Aqueduct, Hatch Hatchy, New Melones)	--	--	--	--	--	--	prioritized areas	--	--	--
Convert selected Delta islands into an inter-connected storage and conveyance system extending from a northern diversion located on the Sacramento River (near Hood or Freeport) to the existing export facilities in the south Delta	--	--	--	--	--	--	--	prioritized areas	--	--

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<b>Water Storage<sup>1</sup></b>										
Construct multiple new screened diversions at various points within the Delta between the existing south Delta facilities and the Sacramento River (cfs capacity)	--	--	--	--	--	--	--	5,000	--	--
Construct a new screened diversion facility on the Feather River system located at Thermaito Afterbay to divert wet weather water and construct a conveyance facility to transport water from the new diversion to new offstream storage on the west side of the Sacramento Valley (cfs capacity of system)	--	--	--	--	--	--	--	--	2,000 to 7,000	--
Construct a new screened diversion facility on the Sacramento River system located at Shasta Lake and a new conveyance facility to transport water from the new diversion to new offstream storage on the west side of the Sacramento Valley (cfs capacity of system)	--	--	--	--	--	--	--	--	5,000 to 10,000	--
Remove Glenn-Colusa Irrigation District and Tehama-Colusa Canal diversions from the Sacramento River and connect those users to new conveyance and storage facilities	--	--	--	--	--	--	--	--	for this alternative only	--
Construct a new west-side conveyance facility to transport water from the new offstream storage around the Delta to existing pumping plants in the south Delta (cfs capacity of system)	--	--	--	--	--	--	--	--	10,000 to 15,000	--
<b>Water Diversion Management<sup>1</sup></b>										
Acquire about 100,000 acre-feet of water from willing sellers in the San Joaquin Valley, or develop 100,000 acre-feet from expanded surface water or groundwater storage	Essential Element <sup>2</sup>	Essential Element	Essential Element	Essential Element	Essential Element	Essential Element	Essential Element	Essential Element	Essential Element	Essential Element
Improve CVP and SWP operations through predation control and coordinating operations	Essential Element	Essential Element	Essential Element	Essential Element	Essential Element	Essential Element	Essential Element	Essential Element	Essential Element	Essential Element
Improve fish salvage procedures using best available technology	Y	Y	Y	Y	--	Y	Y	--	--	--
Improve real-time monitoring for fish species of concern and modify diversions to avoid fish entrapment	Essential Element	Essential Element	Essential Element	Essential Element	Essential Element	Essential Element	Essential Element	Essential Element	Essential Element	Essential Element
Expand permitting pumping capacity of the CVP and SWP south Delta facilities to their full physical capabilities	--	Y	Y	Y	Y	--	--	--	--	--

**Footnotes**

1. Some activities include additional sub-activities explained in greater detail in the detailed descriptions of the alternatives.

2. "Essential Elements" are non-quantified activities included in every alternative above the core level of implementation.

"Y" means the activity will be implemented uniformly across those alternatives in which it is included.

"--" means that the activity is not included as part of the alternative.

The units for each activity can be found in the left-hand column, following the activity description